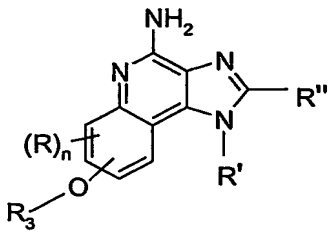
WHAT IS CLAIMED IS:

1. A compound of the formula (I):



I

wherein:

R_3 is selected from the group consisting of

-Z-Y-R_4,

-Z-Y-X-Y-R_4,

-Z-R_5,

-Z-Het,

-Z-Het'-R_4, and

-Z-Het'-Y-R_4;

Z is selected from the group consisting of alkylene, alkenylene, and alkynylene, wherein alkylene, alkenylene, and alkynylene can be optionally interrupted with one or more -O- groups;

Y is selected from the group consisting of

-$S(O)_{0-2}$-,

-$S(O)_2$-$N(R_8)$-,

-$C(R_6)$-,

-$C(R_6)$-O-,

-O-$C(R_6)$-,

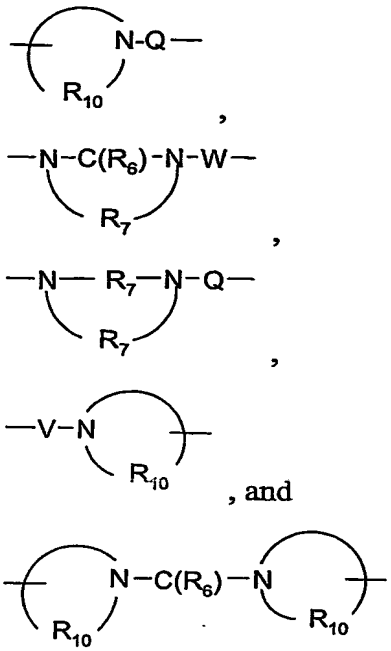
-O-C(O)-O-,

-$N(R_8)$-Q-,

-$C(R_6)$-$N(R_8)$-,

-O-$C(R_6)$-$N(R_8)$-,

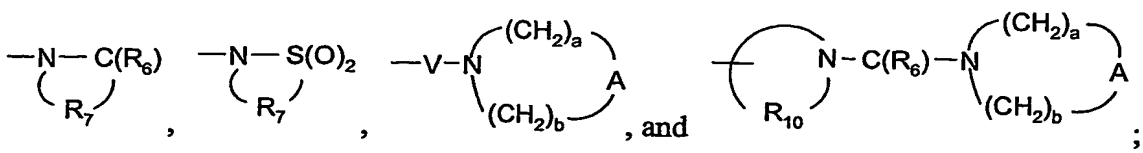
-$C(R_6)$-$N(OR_9)$-,



X is selected from the group consisting of alkylene, alkenylene, alkynylene, arylene, heteroarylene, and heterocyclylene wherein the alkylene, alkenylene, and alkynylene groups can be optionally interrupted or terminated with arylene, heteroarylene, or heterocyclylene, and optionally interrupted by one or more -O- groups;

R_4 is selected from the group consisting of hydrogen, alkyl, alkenyl, alkynyl, aryl, arylalkylenyl, aryloxyalkylenyl, alkylarylenyl, heteroaryl, heteroarylalkylenyl, heteroaryloxyalkylenyl, alkylheteroarylenyl, and heterocyclyl wherein the alkyl, alkenyl, alkynyl, aryl, arylalkylenyl, aryloxyalkylenyl, alkylarylenyl, heteroaryl, heteroarylalkylenyl, heteroaryloxyalkylenyl, alkylheteroarylenyl, and heterocyclyl groups can be unsubstituted or substituted by one or more substituents independently selected from the group consisting of alkyl, alkoxy, hydroxyalkyl, haloalkyl, haloalkoxy, halogen, nitro, hydroxy, mercapto, cyano, aryl, aryloxy, arylalkyleneoxy, heteroaryl, heteroaryloxy, heteroarylalkyleneoxy, heterocyclyl, amino, alkylamino, dialkylamino, (dialkylamino)alkyleneoxy, and in the case of alkyl, alkenyl, alkynyl, and heterocyclyl, oxo;

R_5 is selected from the group consisting of



R_6 is selected from the group consisting of =O and =S;

R_7 is C_{2-7} alkylene;

R_8 is selected from the group consisting of hydrogen, alkyl, alkoxyalkylenyl, and arylalkylenyl;

R_9 is selected from the group consisting of hydrogen and alkyl;

R_{10} is C_{3-8} alkylene;

A is selected from the group consisting of -O-, -C(O)-, $-S(O)_{0-2}-$, and $-N(R_4)-$;

Het is heterocyclyl which can be unsubstituted or substituted by one or more substituents independently selected from the group consisting of alkyl, alkoxy, haloalkyl, haloalkoxy, halogen, nitro, hydroxy, hydroxyalkyl, mercapto, cyano, aryloxy, arylalkyleneoxy, heteroaryloxy, heteroarylalkyleneoxy, heterocyclyl, hydroxyalkyleneoxyalkylenyl, amino, alkylamino, dialkylamino, (dialkylamino)alkyleneoxy, and oxo;

Het' is heterocyclylene which can be unsubstituted or substituted by one or more substituents independently selected from the group consisting of alkyl, alkoxy, haloalkyl, haloalkoxy, halogen, nitro, hydroxy, hydroxyalkyl, mercapto, cyano, aryloxy, arylalkyleneoxy, heteroaryloxy, heteroarylalkyleneoxy, amino, alkylamino, dialkylamino, (dialkylamino)alkyleneoxy, and oxo;

Q is selected from the group consisting of a bond, $-C(R_6)-$, $-C(R_6)-C(R_6)-$, $-S(O)_2-$, $-C(R_6)-N(R_8)-W-$, $-S(O)_2-N(R_8)-$, $-C(R_6)-O-$, and $-C(R_6)-N(OR_9)-$;

V is selected from the group consisting of $-C(R_6)-$, $-O-C(R_6)-$, $-N(R_8)-C(R_6)-$, and $-S(O)_2-$;

W is selected from the group consisting of a bond, -C(O)-, and $-S(O)_2-$;

a and b are independently integers from 1 to 6 with the proviso that $a + b \leq 7$;

R is selected from the group consisting of alkyl, alkoxy, hydroxy, halogen, and trifluoromethyl;

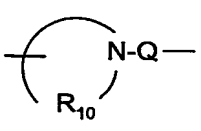
n is 0 or 1; and

R' and R" are independently selected from the group consisting of hydrogen and non-interfering substitutents;

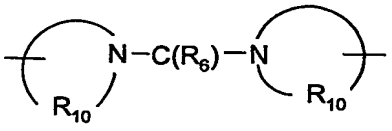
with the proviso that Z can also be a bond when:

R_3 is -Z-Het, -Z-Het'-R_4, or -Z-Het'-Y-R_4; or

R_3 is -Z-Y-R_4 or -Z-Y-X-Y-R_4, and Y is selected from -$S(O)_{0-2}$-, -$S(O)_2$-$N(R_8)$-, -$C(R_6)$-, -$C(R_6)$-O-, -$C(R_6)$-$N(R_8)$-,

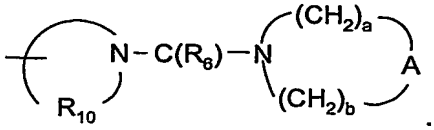


, and



; or

R_3 is -Z-R_5 and R_5 is



;

or a pharmaceutically acceptable salt thereof.

2. The compound or salt of claim 1 wherein R' is selected from the group consisting of

-R_4,

-X-R_4,

-X-Y-R_4,

-X-Y-X-Y-R_4, and

-X-R_5.

3. The compound or salt of claim 1 or claim 2 wherein R" is selected from the group consisting of

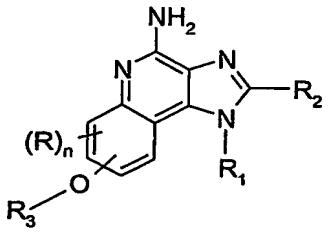
-R_4,

-X-R_4,

-X-Y-R_4, and

-X-R_5.

4. A compound of the formula (II):



II

wherein:

R_3 is selected from the group consisting of

-Z-Y-R_4,

-Z-Y-X-Y-R_4,

-Z-R_5,

-Z-Het,

-Z-Het'-R_4, and

-Z-Het'-Y-R_4;

Z is selected from the group consisting of alkylene, alkenylene, and alkynylene, wherein alkylene, alkenylene, and alkynylene can be optionally interrupted with one or more -O- groups;

R is selected from the group consisting of alkyl, alkoxy, hydroxy, halogen, and trifluoromethyl;

n is 0 or 1;

R_1 is selected from the group consisting of

-R_4,

-X-R_4,

-X-Y-R_4,

-X-Y-X-Y-R_4, and

-X-R_5;

R_2 is selected from the group consisting of

-R_4,

-X-R_4,

-X-Y-R_4, and

-X-R_5;

X is selected from the group consisting of alkylene, alkenylene, alkynylene, arylene, heteroarylene, and heterocyclylene wherein the alkylene, alkenylene, and alkynylene groups can be optionally interrupted or terminated with arylene, heteroarylene, or heterocyclylene, and optionally interrupted by one or more -O- groups;

Y is selected from the group consisting of

$-S(O)_{0-2}-$,

$-S(O)_2-N(R_8)-$,

$-C(R_6)-$,

$-C(R_6)-O-$,

$-O-C(R_6)-$,

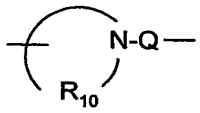
$-O-C(O)-O-$,

$-N(R_8)-Q-$,

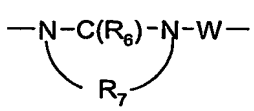
$-C(R_6)-N(R_8)-$,

$-O-C(R_6)-N(R_8)-$,

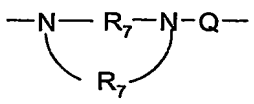
$-C(R_6)-N(OR_9)-$,



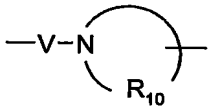
,



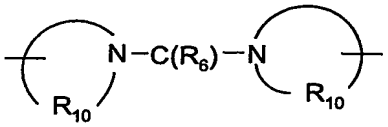
,



,



, and

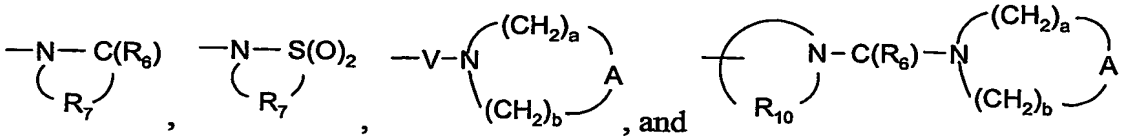


;

R_4 is selected from the group consisting of hydrogen, alkyl, alkenyl, alkynyl, aryl, arylalkylenyl, aryloxyalkylenyl, alkylarylenyl, heteroaryl, heteroarylalkylenyl, heteroaryloxyalkylenyl, alkylheteroarylenyl, and heterocyclyl wherein the alkyl, alkenyl, alkynyl, aryl, arylalkylenyl, aryloxyalkylenyl, alkylarylenyl, heteroaryl, heteroarylalkylenyl, heteroaryloxyalkylenyl, alkylheteroarylenyl, and heterocyclyl groups can be unsubstituted or substituted by one or more substituents independently selected from the group consisting of alkyl, alkoxy, hydroxyalkyl, haloalkyl, haloalkoxy, halogen, nitro, hydroxy, mercapto, cyano, aryl, aryloxy, arylalkyleneoxy, heteroaryl, heteroaryloxy, heteroarylalkyleneoxy, heterocyclyl, amino, alkylamino, dialkylamino,

(dialkylamino)alkyleneoxy, and in the case of alkyl, alkenyl, alkynyl, and heterocyclyl, oxo;

R_5 is selected from the group consisting of



;

R_6 is selected from the group consisting of =O and =S;

R_7 is C_{2-7} alkylene;

R_8 is selected from the group consisting of hydrogen, alkyl, alkoxyalkylenyl, and arylalkylenyl;

R_9 is selected from the group consisting of hydrogen and alkyl;

R_{10} is C_{3-8} alkylene;

A is selected from the group consisting of -O-, -C(O)-, -S(O)$_{0-2}$-; and -N(R_4)-;

Het is heterocyclyl which can be unsubstituted or substituted by one or more substituents independently selected from the group consisting of alkyl, alkoxy, haloalkyl, haloalkoxy, halogen, nitro, hydroxy, hydroxyalkyl, mercapto, cyano, aryloxy, arylalkyleneoxy, heteroaryloxy, heteroarylalkyleneoxy, heterocyclyl, hydroxyalkyleneoxyalkylenyl, amino, alkylamino, dialkylamino, (dialkylamino)alkyleneoxy, and oxo;

Het' is heterocyclylene which can be unsubstituted or substituted by one or more substituents independently selected from the group consisting of alkyl, alkoxy, haloalkyl, haloalkoxy, halogen, nitro, hydroxy, hydroxyalkyl, mercapto, cyano, aryloxy, arylalkyleneoxy, heteroaryloxy, heteroarylalkyleneoxy, amino, alkylamino, dialkylamino, (dialkylamino)alkyleneoxy, and oxo;

Q is selected from the group consisting of a bond, -C(R_6)-, -C(R_6)-C(R_6)-, -S(O)$_2$-, -C(R_6)-N(R_8)-W-, -S(O)$_2$-N(R_8)-, -C(R_6)-O-, and -C(R_6)-N(OR_9)-;

V is selected from the group consisting of -C(R_6)-, -O-C(R_6)-, -N(R_8)-C(R_6)-, and -S(O)$_2$-;

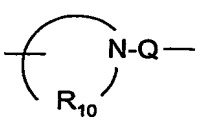
W is selected from the group consisting of a bond, -C(O)-, and –S(O)$_2$-; and

a and b are independently integers from 1 to 6 with the proviso that a + b is ≤ 7;

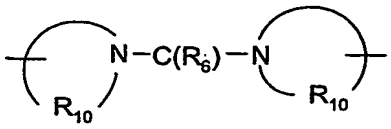
with the proviso that Z can also be a bond when:

R_3 is -Z-Het, -Z-Het'-R_4, or -Z-Het'-Y-R_4; or

R_3 is –Z-Y-R_4 or –Z-Y-X-Y-R_4, and Y is selected from -$S(O)_{0-2}$-, -$S(O)_2$-$N(R_8)$-, -$C(R_6)$-, -$C(R_6)$-O-, -$C(R_6)$-$N(R_8)$-,

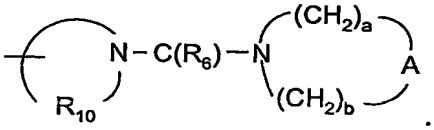


, and



; or

R_3 is –Z-R_5 and R_5 is



;

or a pharmaceutically acceptable salt thereof.

5. The compound or salt of any one of claims 1 through 4 wherein R_3 is -Z-Y-R_4 or -Z-Y-X-Y-R_4.

6. The compound or salt of any one of claims 1 through 5 wherein

Y is selected from the group consisting of

-$S(O)_{0-2}$-

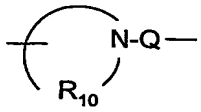
-C(O)-,

-C(O)-O-,

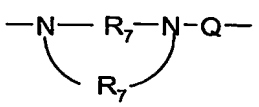
-O-C(O)-,

-$N(R_8)$-Q-,

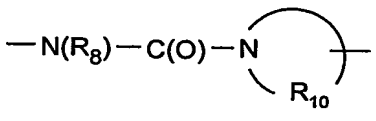
-$C(R_6)$-$N(R_8)$-,



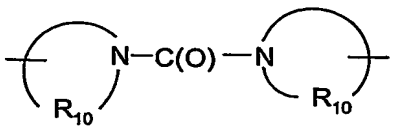
,



,



, and



;

wherein Q is selected from the group consisting of a bond, -C(O)-, -C(O)-O-, -$S(O)_2$-, -$C(R_6)$-$N(R_8)$-W-, and -$S(O)_2$-$N(R_8)$-; W is selected from the group consisting of a bond, -C(O)-, and -$S(O)_2$-; R_6 is selected from the group consisting of =O or =S; R_8 is selected from the group consisting of hydrogen, C_{1-4} alkyl, and alkoxyalkylenyl; and R_{10} is selected from the group consisting of C_{4-6} alkylene;

X is selected from the group consisting of alkylene, arylene, heterocyclylene, heteroarylene, and alkylene terminated with heteroarylene; and

R_4 is selected from the group consisting of

hydrogen,

alkyl,

alkenyl,

aryl,

arylalkylenyl,

alkylheteroarylenyl,

heteroarylalkylenyl,

aryloxyalkylenyl,

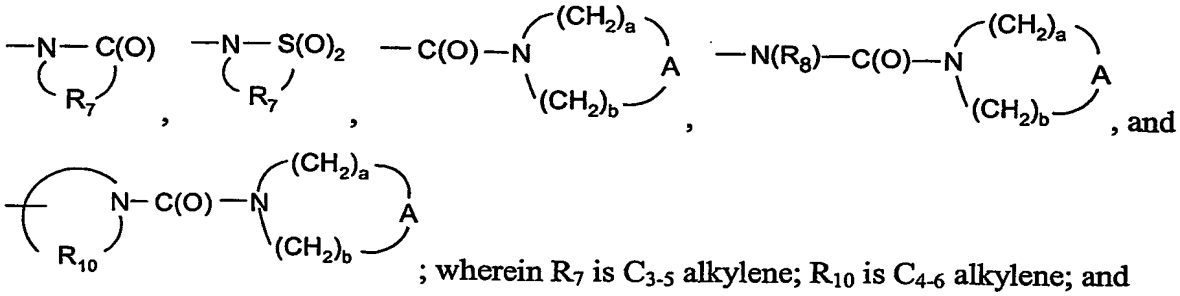
heteroaryl, and

heterocyclyl,

wherein alkyl is unsubstituted or substituted by one or more substituents selected from the group consisting of hydroxy, alkoxy, and heterocyclyl, and wherein arylalkylenyl and heteroarylalkylenyl are unsubstituted or substituted by one or more substituents selected from the group consisting of alkyl, halogen, and alkoxy.

7. The compound or salt of any one of claims 1 through 4 wherein R_3 is -Z-R_5.

8. The compound or salt of claim 7 wherein R_5 is selected from the group consisting of

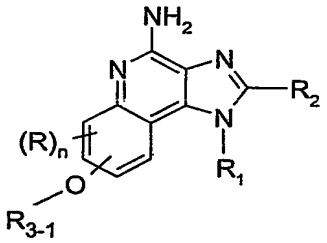


; wherein R_7 is C_{3-5} alkylene; R_{10} is C_{4-6} alkylene; and a and b are each independently 1 to 3.

9. The compound or salt of any one of claims 1 through 4 wherein R_3 is -Z-Het, -Z-Het'-R_4, or -Z-Het'-Y-R_4.

10. The compound or salt of claim 9 wherein Z is a bond.

11. A compound of the formula (III):

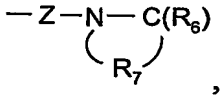


III

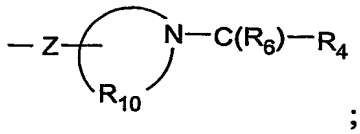
wherein:

R_{3-1} is selected from the group consisting of

-Z-N(R_8)-C(R_6)-R_4,



, and



;

Z is selected from the group consisting of alkylene, alkenylene, and alkynylene, wherein alkylene, alkenylene, and alkynylene can be optionally interrupted with one or more -O- groups;

R is selected from the group consisting of alkyl, alkoxy, hydroxy, halogen, and trifluoromethyl;

n is 0 or 1;

R_1 is selected from the group consisting of

$-R_4$,

$-X-R_4$,

$-X-Y-R_4$,

$-X-Y-X-Y-R_4$, and

$-X-R_5$;

R_2 is selected from the group consisting of

$-R_4$,

$-X-R_4$,

$-X-Y-R_4$, and

$-X-R_5$;

X is selected from the group consisting of alkylene, alkenylene, alkynylene, arylene, heteroarylene, and heterocyclylene wherein the alkylene, alkenylene, and alkynylene groups can be optionally interrupted or terminated with arylene, heteroarylene, or heterocyclylene, and optionally interrupted by one or more -O- groups;

Y is selected from the group consisting of

$-S(O)_{0-2}-$,

$-S(O)_2-N(R_8)-$,

$-C(R_6)-$,

$-C(R_6)-O-$,

$-O-C(R_6)-$,

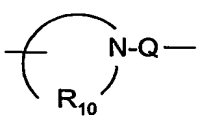
$-O-C(O)-O-$,

$-N(R_8)-Q-$,

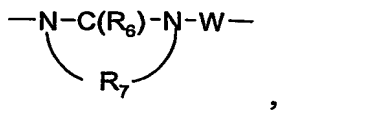
$-C(R_6)-N(R_8)-$,

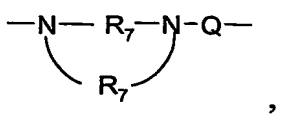
$-O-C(R_6)-N(R_8)-$,

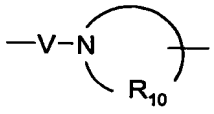
$-C(R_6)-N(OR_9)-$,

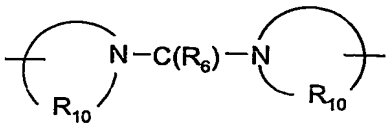


,


,

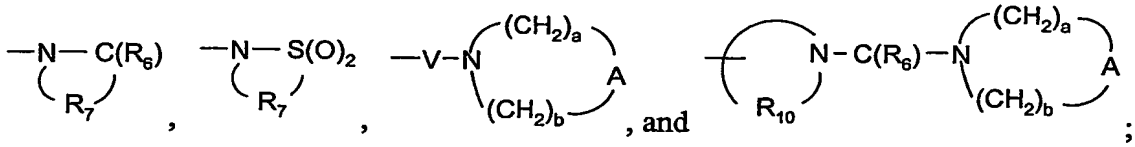

,


, and


;

R_4 is selected from the group consisting of hydrogen, alkyl, alkenyl, alkynyl, aryl, arylalkylenyl, aryloxyalkylenyl, alkylarylenyl, heteroaryl, heteroarylalkylenyl, heteroaryloxyalkylenyl, alkylheteroarylenyl, and heterocyclyl wherein the alkyl, alkenyl, alkynyl, aryl, arylalkylenyl, aryloxyalkylenyl, alkylarylenyl, heteroaryl, heteroarylalkylenyl, heteroaryloxyalkylenyl, alkylheteroarylenyl, and heterocyclyl groups can be unsubstituted or substituted by one or more substituents independently selected from the group consisting of alkyl, alkoxy, hydroxyalkyl, haloalkyl, haloalkoxy, halogen, nitro, hydroxy, mercapto, cyano, aryl, aryloxy, arylalkyleneoxy, heteroaryl, heteroaryloxy, heteroarylalkyleneoxy, heterocyclyl, amino, alkylamino, dialkylamino, (dialkylamino)alkyleneoxy, and in the case of alkyl, alkenyl, alkynyl, and heterocyclyl, oxo;

R_5 is selected from the group consisting of


;

R_6 is selected from the group consisting of =O and =S;

R_7 is C_{2-7} alkylene;

R_8 is selected from the group consisting of hydrogen, alkyl, alkoxyalkylenyl, and arylalkylenyl;

R_9 is selected from the group consisting of hydrogen and alkyl;

R_{10} is C_{3-8} alkylene;

A is selected from the group consisting of -O-, -C(O)-, -$S(O)_{0-2}$-, and -$N(R_4)$-;

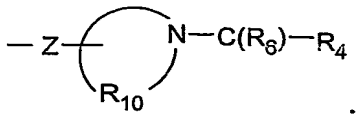
Q is selected from the group consisting of a bond, -$C(R_6)$-, -$C(R_6)$-$C(R_6)$-, -$S(O)_2$-, -$C(R_6)$-$N(R_8)$-W-, -$S(O)_2$-$N(R_8)$-, -$C(R_6)$-O-, and -$C(R_6)$-$N(OR_9)$-;

V is selected from the group consisting of -$C(R_6)$-, -O-$C(R_6)$-, -$N(R_8)$-$C(R_6)$-, and -$S(O)_2$-;

W is selected from the group consisting of a bond, -C(O)-, and -$S(O)_2$-; and

a and b are independently integers from 1 to 6 with the proviso that a + b is ≤ 7;

with the proviso that Z can also be a bond when R_{3-1} is



;

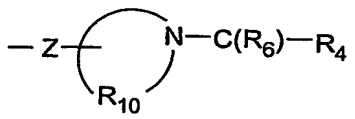
or a pharmaceutically acceptable salt thereof.

12. The compound or salt of claim 11 wherein R_{3-1} is -Z-$N(R_8)$-$C(R_6)$-R_4.

13. The compound or salt of claim 11 or claim 12 wherein R_8 is hydrogen, R_6 is =O, and R_4 is selected from the group consisting of alkyl, alkenyl, aryl, arylalkylenyl, aryloxyalkylenyl, and heteroaryl, wherein the alkyl, alkenyl, aryl, arylalkylenyl, aryloxyalkylenyl, and heteroaryl groups can be unsubstituted or substituted by one or more substituents selected from the group consisting of alkyl, aryl, halogen, alkoxy, cyano, arylalkyleneoxy, nitro, dialkylamino, aryloxy, heterocyclyl, trifluoromethyl, trifluoromethoxy, and in the case of alkyl, oxo.

14. The compound or salt of any one of claims 11 through 13 wherein Z is ethylene or propylene, R_8 is hydrogen, R_6 is =O, and R_4 is C_{1-3} alkyl.

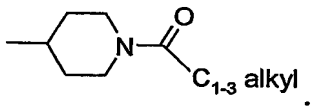
15. The compound or salt of claim 11 wherein R_{3-1} is



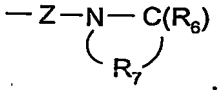
16. The compound or salt of claim 15 wherein Z is a bond.

17. The compound or salt of claim 11, claim 15, or claim 16 wherein R_6 is =O, R_{10} is C_{4-6} alkylene, and R_4 is selected from the group consisting of alkyl, alkenyl, aryl, arylalkylenyl, aryloxyalkylenyl, and heteroaryl, wherein the alkyl, alkenyl, aryl, arylalkylenyl, aryloxyalkylenyl, and heteroaryl groups can be unsubstituted or substituted by one or more substituents selected from the group consisting of alkyl, aryl, halogen, alkoxy, cyano, arylalkyleneoxy, nitro, dialkylamino, aryloxy, heterocyclyl, trifluoromethyl, trifluormethoxy, and in the case of alkyl, oxo.

18. The compound or salt of claim 17 wherein R_{3-1} is



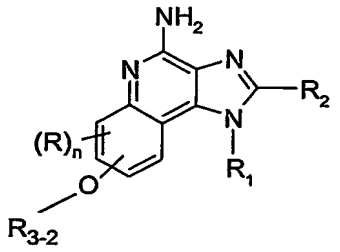
19. The compound or salt of claim 11 wherein R_{3-1} is



20. The compound or salt of claim 11 or claim 19 wherein R_6 is =O, and R_7 is C_{3-5} alkylene.

21. The compound or salt of claim 11, claim 19, or claim 20 wherein Z is ethylene or propylene and R_7 is propylene.

22. A compound of the formula (IV):



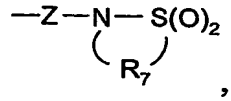
IV

wherein:

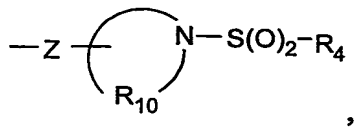
R_{3-2} is selected from the group consisting of

$-Z-N(R_8)-S(O)_2-R_4$,

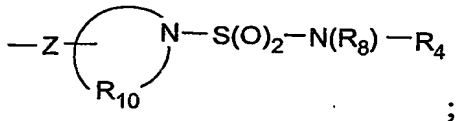
$-Z-N(R_8)-S(O)_2-N(R_8)-R_4$,



,



, and



;

Z is selected from the group consisting of alkylene, alkenylene, and alkynylene, wherein alkylene, alkenylene, and alkynylene can be optionally interrupted with one or more -O- groups;

R is selected from the group consisting of alkyl, alkoxy, hydroxy, halogen, and trifluoromethyl;

n is 0 or 1;

R_1 is selected from the group consisting of

$-R_4$,

$-X-R_4$,

$-X-Y-R_4$,

$-X-Y-X-Y-R_4$, and

$-X-R_5$;

R_2 is selected from the group consisting of

$-R_4$,

$-X-R_4$,

$-X-Y-R_4$, and

$-X-R_5$;

X is selected from the group consisting of alkylene, alkenylene, alkynylene, arylene, heteroarylene, and heterocyclylene wherein the alkylene, alkenylene, and alkynylene groups can be optionally interrupted or terminated with arylene, heteroarylene, or heterocyclylene, and optionally interrupted by one or more -O- groups;

Y is selected from the group consisting of

$-S(O)_{0-2}-$,

$-S(O)_2-N(R_8)-$,

$-C(R_6)-$,

$-C(R_6)-O-$,

$-O-C(R_6)-$,

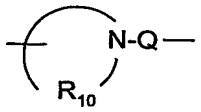
$-O-C(O)-O-$,

$-N(R_8)-Q-$,

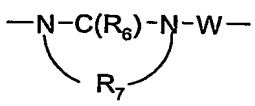
$-C(R_6)-N(R_8)-$,

$-O-C(R_6)-N(R_8)-$,

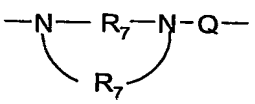
$-C(R_6)-N(OR_9)-$,



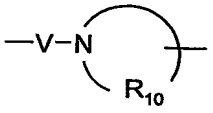
,



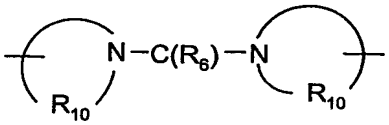
,



,



, and

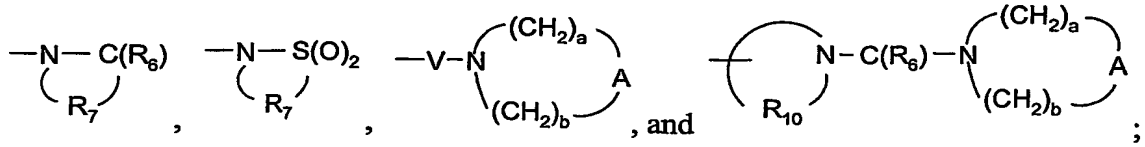


;

R_4 is selected from the group consisting of hydrogen, alkyl, alkenyl, alkynyl, aryl, arylalkylenyl, aryloxyalkylenyl, alkylarylenyl, heteroaryl, heteroarylalkylenyl, heteroaryloxyalkylenyl, alkylheteroarylenyl, and heterocyclyl wherein the alkyl, alkenyl, alkynyl, aryl, arylalkylenyl, aryloxyalkylenyl, alkylarylenyl, heteroaryl, heteroarylalkylenyl, heteroaryloxyalkylenyl, alkylheteroarylenyl, and heterocyclyl groups can be unsubstituted or substituted by one or more substituents independently selected from the group consisting of alkyl, alkoxy, hydroxyalkyl, haloalkyl, haloalkoxy, halogen, nitro, hydroxy, mercapto, cyano, aryl, aryloxy, arylalkyleneoxy, heteroaryl, heteroaryloxy,

heteroarylalkyleneoxy, heterocyclyl, amino, alkylamino, dialkylamino, (dialkylamino)alkyleneoxy, and in the case of alkyl, alkenyl, alkynyl, and heterocyclyl, oxo;

R_5 is selected from the group consisting of



;

R_6 is selected from the group consisting of =O and =S;

R_7 is C_{2-7} alkylene;

R_8 is selected from the group consisting of hydrogen, alkyl, alkoxyalkylenyl, and arylalkylenyl;

R_9 is selected from the group consisting of hydrogen and alkyl;

R_{10} is C_{3-8} alkylene;

A is selected from the group consisting of -O-, -C(O)-, -$S(O)_{0-2}$-, and -$N(R_4)$-;

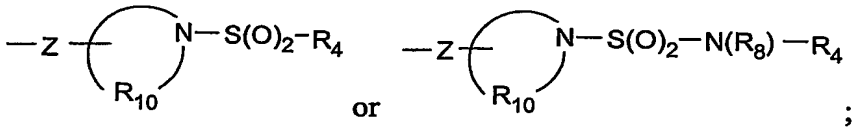
Q is selected from the group consisting of a bond, -$C(R_6)$-, -$C(R_6)$-$C(R_6)$-, -$S(O)_2$-, -$C(R_6)$-$N(R_8)$-W-, -$S(O)_2$-$N(R_8)$-, -$C(R_6)$-O-, and -$C(R_6)$-$N(OR_9)$-;

V is selected from the group consisting of -$C(R_6)$-, -O-$C(R_6)$-, -$N(R_8)$-$C(R_6)$-, and -$S(O)_2$-;

W is selected from the group consisting of a bond, -C(O)-, and -$S(O)_2$-; and

a and b are independently integers from 1 to 6 with the proviso that a + b is ≤ 7;

with the proviso that Z can also be a bond when R_{3-2} is



;

or a pharmaceutically acceptable salt thereof.

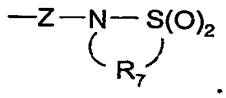
23. The compound or salt of claim 22 wherein R_{3-2} is -Z-$N(R_8)$-$S(O)_2$-R_4.

24. The compound or salt of claim 22 or claim 23 wherein R_8 is hydrogen, and R_4 is selected from the group consisting of alkyl, alkenyl, aryl, arylalkylenyl, aryloxyalkylenyl, and heteroaryl, wherein the alkyl, alkenyl, aryl, arylalkylenyl, aryloxyalkylenyl, and heteroaryl groups can be unsubstituted or substituted by one or more substituents selected

from the group consisting of alkyl, aryl, halogen, alkoxy, cyano, arylalkyleneoxy, nitro, dialkylamino, aryloxy, heterocyclyl, trifluoromethyl, trifluormethoxy, and in the case of alkyl, oxo.

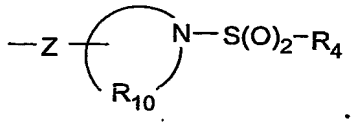
25. The compound or salt of any one of claims 22 through 24 wherein Z is ethylene or propylene, R_8 is hydrogen, and R_4 is C_{1-3} alkyl.

26. The compound or salt of claim 22 wherein R_{3-2} is



27. The compound or salt of claim 22 or claim 26 wherein R_7 is C_{3-5} alkylene.

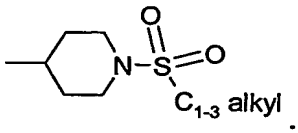
28. The compound or salt of claim 22 wherein R_{3-2} is



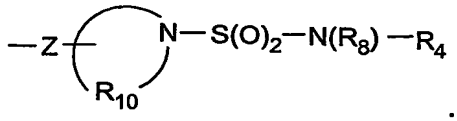
29. The compound or salt of claim 28 wherein Z is a bond.

30. The compound or salt of any one of claims 22, 28, or 29 wherein R_{10} is C_{4-6} alkylene, and R_4 is selected from the group consisting of alkyl, alkenyl, aryl, arylalkylenyl, aryloxyalkylenyl, and heteroaryl, wherein the alkyl, alkenyl, aryl, arylalkylenyl, aryloxyalkylenyl, and heteroaryl groups can be unsubstituted or substituted by one or more substituents selected from the group consisting of alkyl, aryl, halogen, alkoxy, cyano, arylalkyleneoxy, nitro, dialkylamino, aryloxy, heterocyclyl, trifluoromethyl, trifluormethoxy, and in the case of alkyl, oxo.

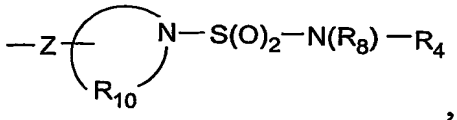
31. The compound or salt of claim 30 wherein R_{3-2} is



32. The compound or salt of claim 22 wherein R_{3-2} is -Z-N(R_8)-S(O)$_2$-N(R_8)-R_4 or



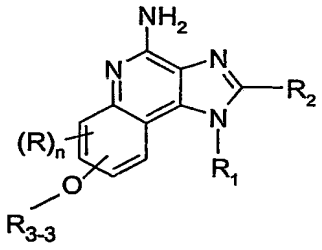
33. The compound or salt of claim 22 or claim 32 wherein R_{3-2} is



, and Z is a bond.

34. The compound or salt of claim 22, claim 32, or claim 33 wherein R_{10} is C_{4-6} alkylene, R_8 is hydrogen or C_{1-4} alkyl, and R_4 is alkyl.

35. A compound of the formula (V):

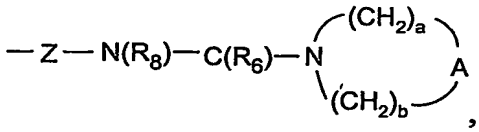


V

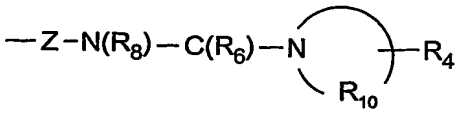
wherein:

R_{3-3} is selected from the group consisting of

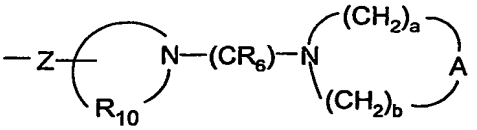
-Z-N(R_8)-C(R_6)-N(R_8)-W-R_4,



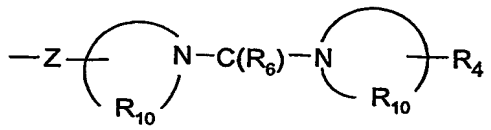
,



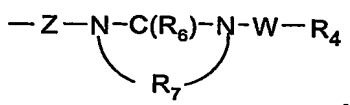
,



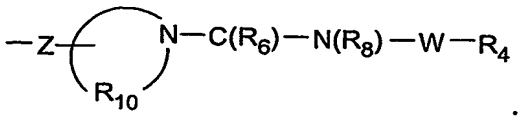
,



,



, and



;

Z is selected from the group consisting of alkylene, alkenylene, and alkynylene, wherein alkylene, alkenylene, and alkynylene can be optionally interrupted with one or more -O- groups;

R is selected from the group consisting of alkyl, alkoxy, hydroxy, halogen, and trifluoromethyl;

n is 0 or 1;

R_1 is selected from the group consisting of

$-R_4$,

$-X-R_4$,

$-X-Y-R_4$,

$-X-Y-X-Y-R_4$, and

$-X-R_5$;

R_2 is selected from the group consisting of

$-R_4$,

$-X-R_4$,

$-X-Y-R_4$, and

$-X-R_5$;

X is selected from the group consisting of alkylene, alkenylene, alkynylene, arylene, heteroarylene, and heterocyclylene wherein the alkylene, alkenylene, and alkynylene groups can be optionally interrupted or terminated with arylene, heteroarylene, or heterocyclylene, and optionally interrupted by one or more -O- groups;

Y is selected from the group consisting of

$-S(O)_{0-2}-$,

$-S(O)_2-N(R_8)-$,

$-C(R_6)-$,

$-C(R_6)-O-$,

$-O-C(R_6)-$,

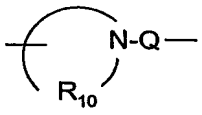
$-O-C(O)-O-$,

$-N(R_8)-Q-$,

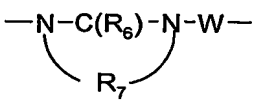
$-C(R_6)-N(R_8)-$,

$-O-C(R_6)-N(R_8)-$,

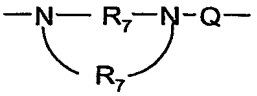
$-C(R_6)-N(OR_9)-$,



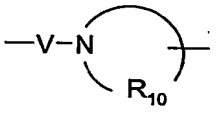
,



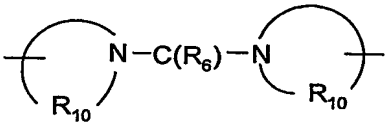
,



,



, and

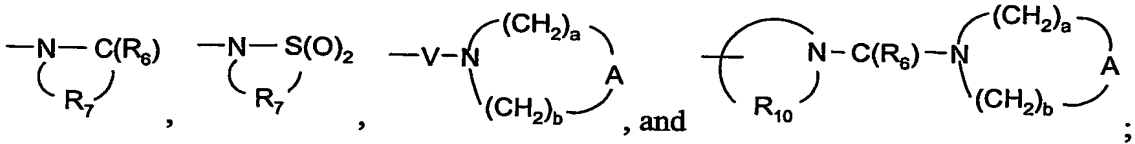


;

R_4 is selected from the group consisting of hydrogen, alkyl, alkenyl, alkynyl, aryl, arylalkylenyl, aryloxyalkylenyl, alkylarylenyl, heteroaryl, heteroarylalkylenyl, heteroaryloxyalkylenyl, alkylheteroarylenyl, and heterocyclyl wherein the alkyl, alkenyl, alkynyl, aryl, arylalkylenyl, aryloxyalkylenyl, alkylarylenyl, heteroaryl, heteroarylalkylenyl, heteroaryloxyalkylenyl, alkylheteroarylenyl, and heterocyclyl groups can be unsubstituted or substituted by one or more substituents independently selected from the group consisting of alkyl, alkoxy, hydroxyalkyl, haloalkyl, haloalkoxy, halogen, nitro, hydroxy, mercapto, cyano, aryl, aryloxy, arylalkyleneoxy, heteroaryl, heteroaryloxy, heteroarylalkyleneoxy, heterocyclyl, amino, alkylamino, dialkylamino,

(dialkylamino)alkyleneoxy, and in the case of alkyl, alkenyl, alkynyl, and heterocyclyl, oxo;

R_5 is selected from the group consisting of



;

R_6 is selected from the group consisting of =O and =S;

R_7 is C_{2-7} alkylene;

R_8 is selected from the group consisting of hydrogen, alkyl, alkoxyalkylenyl, and arylalkylenyl;

R_9 is selected from the group consisting of hydrogen and alkyl;

R_{10} is C_{3-8} alkylene;

A is selected from the group consisting of -O-, -C(O)-, -$S(O)_{0-2}$-, and -$N(R_4)$-;

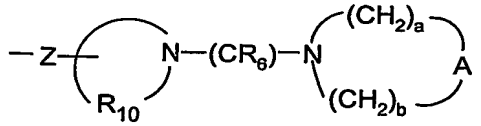
Q is selected from the group consisting of a bond, -$C(R_6)$-, -$C(R_6)$-$C(R_6)$-, -$S(O)_2$-, -$C(R_6)$-$N(R_8)$-W-, -$S(O)_2$-$N(R_8)$-, -$C(R_6)$-O-, and -$C(R_6)$-$N(OR_9)$-;

V is selected from the group consisting of -$C(R_6)$-, -O-$C(R_6)$-, -$N(R_8)$-$C(R_6)$-, and -$S(O)_2$-;

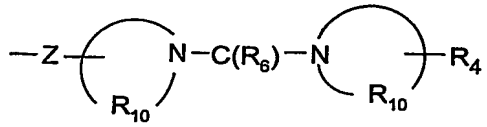
W is selected from the group consisting of a bond, -C(O)-, and -$S(O)_2$-; and

a and b are independently integers from 1 to 6 with the proviso that a + b is ≤ 7;

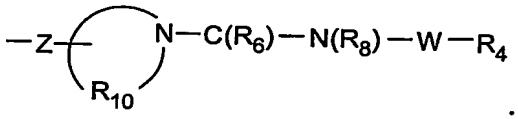
with the proviso that Z can also be a bond when R_{3-3} is



,



, or



;

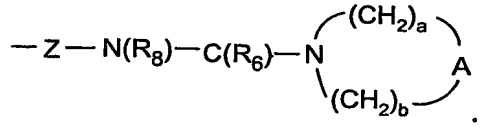
or a pharmaceutically acceptable salt thereof.

36. The compound or salt of claim 35 wherein R_{3-3} is -Z-$N(R_8)$-$C(R_6)$-$N(R_8)$-W-R_4.

37. The compound or salt of claim 35 or claim 36 wherein R_6 is =O or =S; R_8 is hydrogen or C_{1-4} alkyl; W is a bond, -C(O)-, or -$S(O)_2$-; and R_4 is selected from the group consisting of alkyl, alkenyl, aryl, arylalkylenyl, aryloxyalkylenyl, and heteroaryl, wherein the alkyl, alkenyl, aryl, arylalkylenyl, aryloxyalkylenyl, and heteroaryl groups can be unsubstituted or substituted by one or more substituents selected from the group consisting of alkyl, aryl, halogen, alkoxy, cyano, arylalkyleneoxy, nitro, dialkylamino, aryloxy, heterocyclyl, trifluoromethyl, trifluormethoxy, and in the case of alkyl, oxo.

38. The compound or salt of any one of claims 35 through 37 wherein Z is ethylene or propylene, each R_8 is hydrogen, R_6 is =O, and R_4 is isopropyl.

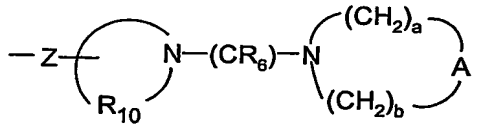
39. The compound or salt of claim 35 wherein R_{3-3} is



40. The compound or salt of claim 35 or 39 wherein R_6 is =O, R_8 is hydrogen, a and b are each independently 1 to 3, and A is -O-.

41. The compound or salt of claim 35, claim 39, or claim 40 wherein Z is ethylene or propylene, and a and b are each 2.

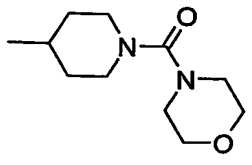
42. The compound or salt of claim 35 wherein R_{3-3} is



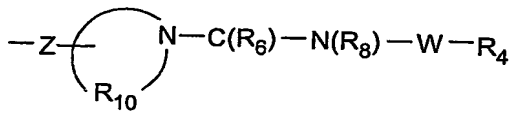
43. The compound or salt of claim 42 wherein Z is a bond.

44. The compound or salt of claim 35, claim 42, or claim 43 wherein R_6 is =O, R_{10} is C_{4-6} alkylene, a and b are each independently 1 to 3, and A is -O-.

45. The compound or salt of claim 44 wherein R_{3-3} is



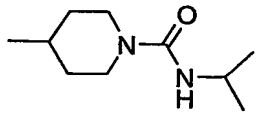
46. The compound or salt of claim 35 wherein R_{3-3} is



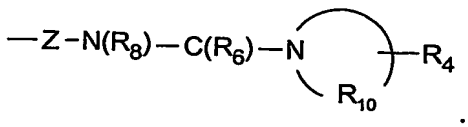
47. The compound or salt of claim 46 wherein Z is a bond.

48. The compound or salt of claim 35, claim 46, or claim 47 wherein R_6 is =O or =S, R_8 is hydrogen or C_{1-4} alkyl, R_{10} is C_{4-6} alkylene, W is a bond, -C(O)-, or -$S(O)_2$-, and R_4 is selected from the group consisting of alkyl, alkenyl, aryl, arylalkylenyl, aryloxyalkylenyl, and heteroaryl, wherein the alkyl, alkenyl, aryl, arylalkylenyl, aryloxyalkylenyl, and heteroaryl groups can be unsubstituted or substituted by one or more substituents selected from the group consisting of alkyl, aryl, halogen, alkoxy, cyano, arylalkyleneoxy, nitro, dialkylamino, aryloxy, heterocyclyl, trifluoromethyl, trifluormethoxy, and in the case of alkyl, oxo.

49. The compound or salt of claim 48 wherein R_{3-3} is

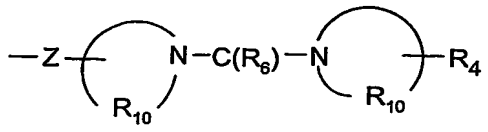


50. The compound or salt of claim 35 wherein R_{3-3} is



51. The compound or salt of claim 35 or claim 50 wherein R_6 is =O or =S, R_8 is hydrogen or C_{1-4} alkyl, R_{10} is C_{4-6} alkylene, and R_4 is hydrogen or alkyl.

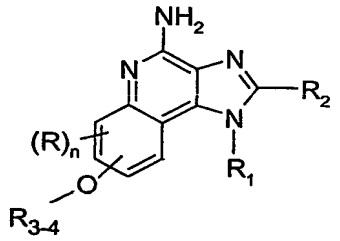
52. The compound or salt of claim 35 wherein R_{3-3} is



53. The compound or salt of claim 52 wherein Z is a bond.

54. The compound or salt of claim 35, claim 52, or claim 53 wherein R_6 is =O or =S, R_{10} is C_{4-6} alkylene, and R_4 is hydrogen or alkyl.

55. A compound of the formula (VI):



VI

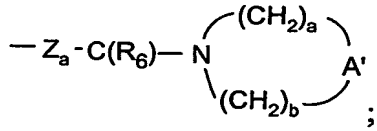
wherein:

R_{3-4} is selected from the group consisting of

$-Z_a-C(R_6)-R_4$,

$-Z_a-C(R_6)-O-R_4$,

$-Z_a-C(R_6)-N(R_8)-R_4$, and



;

Z_a is selected from the group consisting of a bond, alkylene, alkenylene, and alkynylene, wherein alkylene, alkenylene, and alkynylene can be optionally interrupted with one or more -O- groups;

R is selected from the group consisting of alkyl, alkoxy, hydroxy, halogen, and trifluoromethyl;

n is 0 or 1;

R_1 is selected from the group consisting of

$-R_4$,

$-X-R_4$,

$-X-Y-R_4$,

$-X-Y-X-Y-R_4$, and

$-X-R_5$;

R_2 is selected from the group consisting of

$-R_4$,

$-X-R_4$,

$-X-Y-R_4$, and

$-X-R_5$;

X is selected from the group consisting of alkylene, alkenylene, alkynylene, arylene, heteroarylene, and heterocyclylene wherein the alkylene, alkenylene, and alkynylene groups can be optionally interrupted or terminated with arylene, heteroarylene, or heterocyclylene, and optionally interrupted by one or more -O- groups;

Y is selected from the group consisting of

$-S(O)_{0-2}-$,

$-S(O)_2-N(R_8)-$,

$-C(R_6)-$,

$-C(R_6)-O-$,

$-O-C(R_6)-$,

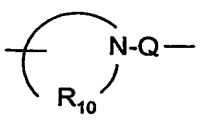
$-O-C(O)-O-$,

$-N(R_8)-Q-$,

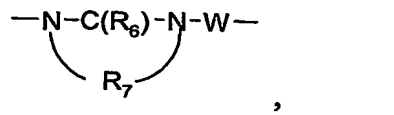
$-C(R_6)-N(R_8)-$,

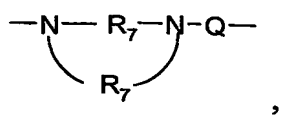
$-O-C(R_6)-N(R_8)-$,

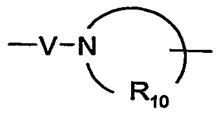
$-C(R_6)-N(OR_9)-$,

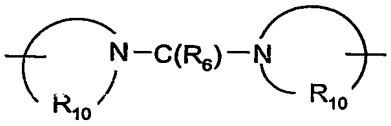


,


,

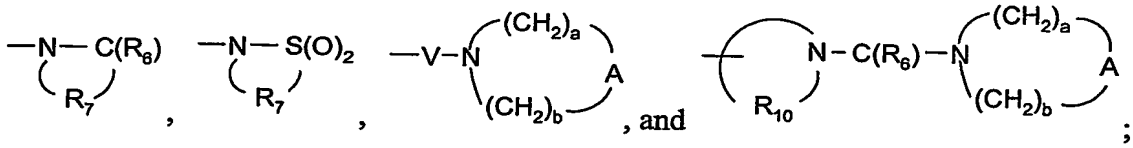

,


, and


;

R_4 is selected from the group consisting of hydrogen, alkyl, alkenyl, alkynyl, aryl, arylalkylenyl, aryloxyalkylenyl, alkylarylenyl, heteroaryl, heteroarylalkylenyl, heteroaryloxyalkylenyl, alkylheteroarylenyl, and heterocyclyl wherein the alkyl, alkenyl, alkynyl, aryl, arylalkylenyl, aryloxyalkylenyl, alkylarylenyl, heteroaryl, heteroarylalkylenyl, heteroaryloxyalkylenyl, alkylheteroarylenyl, and heterocyclyl groups can be unsubstituted or substituted by one or more substituents independently selected from the group consisting of alkyl, alkoxy, hydroxyalkyl, haloalkyl, haloalkoxy, halogen, nitro, hydroxy, mercapto, cyano, aryl, aryloxy, arylalkyleneoxy, heteroaryl, heteroaryloxy, heteroarylalkyleneoxy, heterocyclyl, amino, alkylamino, dialkylamino, (dialkylamino)alkyleneoxy, and in the case of alkyl, alkenyl, alkynyl, and heterocyclyl, oxo;

R_5 is selected from the group consisting of


;

R_6 is selected from the group consisting of =O and =S;

R_7 is C_{2-7} alkylene;

R_8 is selected from the group consisting of hydrogen, alkyl, alkoxyalkylenyl, and arylalkylenyl;

R_9 is selected from the group consisting of hydrogen and alkyl;

R_{10} is C_{3-8} alkylene;

A is selected from the group consisting of -O-, -C(O)-, -$S(O)_{0-2}$-, and -$N(R_4)$-;

A' is selected from the group consisting of -O-, -C(O)-, -$S(O)_{0-2}$-, -$N(R_4)$-, and -CH_2-;

Q is selected from the group consisting of a bond, -$C(R_6)$-, -$C(R_6)$-$C(R_6)$-, -$S(O)_2$-, -$C(R_6)$-$N(R_8)$-W-, -$S(O)_2$-$N(R_8)$-, -$C(R_6)$-O-, and -$C(R_6)$-$N(OR_9)$-;

V is selected from the group consisting of -$C(R_6)$-, -O-$C(R_6)$-, -$N(R_8)$-$C(R_6)$-, and -$S(O)_2$-;

W is selected from the group consisting of a bond, -C(O)-, and -$S(O)_2$-; and

a and b are independently integers from 1 to 6 with the proviso that a + b is ≤ 7;

or a pharmaceutically acceptable salt thereof.

56. The compound or salt of claim 55 wherein R_{3-4} is -Z_a-$C(R_6)$-R_4.

57. The compound or salt of claim 55 or claim 56 wherein R_6 is =O or =S, and R_4 is alkyl, aryl, or heterocyclyl.

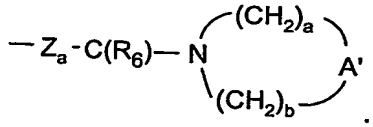
58. The compound or salt of claim 55 wherein R_{3-4} is -Z_a-$C(R_6)$-O-R_4.

59. The compound or salt of claim 55 or claim 58 wherein R_6 is =O and R_4 is hydrogen or alkyl.

60. The compound or salt of claim 55 wherein R_{3-4} is -Z_a-$C(R_6)$-$N(R_8)$-R_4.

61. The compound or salt of claim 55 or claim 60 wherein R_6 is =O or =S, R_8 is hydrogen, alkyl, or alkoxyalkylenyl, and R_4 is alkyl, aryl, or arylalkylenyl; wherein aryl can be optionally substituted with halogen, methoxy, cyano, trifluoromethyl, and trifluoromethoxy.

62. The compound or salt of claim 55 wherein R_{3-4} is



n is 0 or 1;

R_1 is selected from the group consisting of

$-R_4$,

$-X-R_4$,

$-X-Y-R_4$,

$-X-Y-X-Y-R_4$, and

$-X-R_5$;

R_2 is selected from the group consisting of

$-R_4$,

$-X-R_4$,

$-X-Y-R_4$, and

$-X-R_5$;

X is selected from the group consisting of alkylene, alkenylene, alkynylene, arylene, heteroarylene, and heterocyclylene wherein the alkylene, alkenylene, and alkynylene groups can be optionally interrupted or terminated with arylene, heteroarylene, or heterocyclylene, and optionally interrupted by one or more -O- groups;

Y is selected from the group consisting of

$-S(O)_{0-2}-$,

$-S(O)_2-N(R_8)-$,

$-C(R_6)-$,

$-C(R_6)-O-$,

$-O-C(R_6)-$,

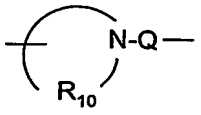
$-O-C(O)-O-$,

$-N(R_8)-Q-$,

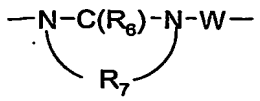
$-C(R_6)-N(R_8)-$,

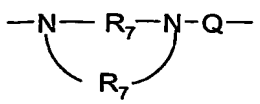
$-O-C(R_6)-N(R_8)-$,

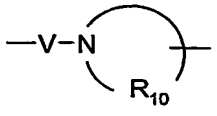
$-C(R_6)-N(OR_9)-$,

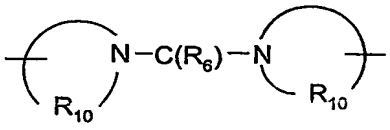


,


,

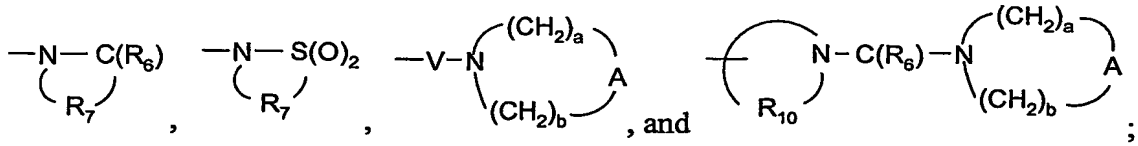

,


, and


;

R_4 is selected from the group consisting of hydrogen, alkyl, alkenyl, alkynyl, aryl, arylalkylenyl, aryloxyalkylenyl, alkylarylenyl, heteroaryl, heteroarylalkylenyl, heteroaryloxyalkylenyl, alkylheteroarylenyl, and heterocyclyl wherein the alkyl, alkenyl, alkynyl, aryl, arylalkylenyl, aryloxyalkylenyl, alkylarylenyl, heteroaryl, heteroarylalkylenyl, heteroaryloxyalkylenyl, alkylheteroarylenyl, and heterocyclyl groups can be unsubstituted or substituted by one or more substituents independently selected from the group consisting of alkyl, alkoxy, hydroxyalkyl, haloalkyl, haloalkoxy, halogen, nitro, hydroxy, mercapto, cyano, aryl, aryloxy, arylalkyleneoxy, heteroaryl, heteroaryloxy, heteroarylalkyleneoxy, heterocyclyl, amino, alkylamino, dialkylamino, (dialkylamino)alkyleneoxy, and in the case of alkyl, alkenyl, alkynyl, and heterocyclyl, oxo;

R_5 is selected from the group consisting of


;

R_6 is selected from the group consisting of =O and =S;

R_7 is C_{2-7} alkylene;

R_8 is selected from the group consisting of hydrogen, alkyl, alkoxyalkylenyl, and arylalkylenyl;

R_9 is selected from the group consisting of hydrogen and alkyl;

R_{10} is C_{3-8} alkylene;

A is selected from the group consisting of -O-, -C(O)-, -$S(O)_{0-2}$-, and -$N(R_4)$-;

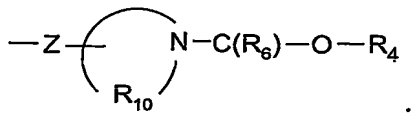
Q is selected from the group consisting of a bond, -$C(R_6)$-, -$C(R_6)$-$C(R_6)$-, -$S(O)_2$-, -$C(R_6)$-$N(R_8)$-W-, -$S(O)_2$-$N(R_8)$-, -$C(R_6)$-O-, and -$C(R_6)$-$N(OR_9)$-;

V is selected from the group consisting of -$C(R_6)$-, -O-$C(R_6)$-, -$N(R_8)$-$C(R_6)$-, and -$S(O)_2$-;

W is selected from the group consisting of a bond, -C(O)-, and -$S(O)_2$-; and

a and b are independently integers from 1 to 6 with the proviso that a + b is ≤ 7;

with the proviso that Z can also be a bond when R_{3-5} is



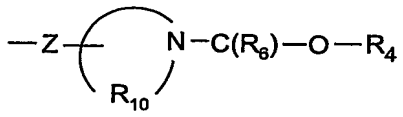
;

or a pharmaceutically acceptable salt thereof.

68. The compound or salt of claim 67 wherein R_{3-5} is -Z-$N(R_8)$-$C(R_6)$-O-R_4.

69. The compound or salt of claim 67 or claim 68 wherein R_6 is =O, R_8 is hydrogen, and R_4 is alkyl.

70. The compound or salt of claim 67 wherein R_{3-5} is



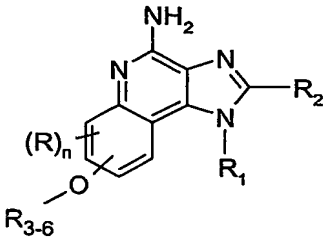
71. The compound or salt of claim 70 wherein Z is a bond.

72. The compound or salt of claim 67, claim 70, or claim 71 wherein R_6 is =O, R_{10} is C_{4-6} alkylene, and R_4 is alkyl.

73. The compound or salt of claim 67 wherein R_{3-5} is -Z-$N(R_8)$-$C(R_6)$-$C(R_6)$-R_4.

74. The compound or salt of claim 67, claim 68, or claim 73 wherein R_6 is =O or =S, R_8 is hydrogen, and R_4 is alkyl, aryl, or heteroaryl; wherein aryl can be optionally substituted with halogen, methoxy, cyano, trifluoromethyl, and trifluoromethoxy.

75. A compound of the formula (VIII):

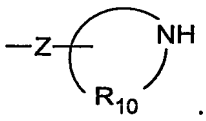


VIII

wherein:

R_{3-6} is selected from the group consisting of

-Z-N(R_8)H, and



;

Z is selected from the group consisting of alkylene, alkenylene, and alkynylene, wherein alkylene, alkenylene, and alkynylene can be optionally interrupted with one or more-O- groups;

R is selected from the group consisting of alkyl, alkoxy, hydroxy, halogen, and trifluoromethyl;

n is 0 or 1;

R_1 is selected from the group consisting of

-R_4,

-X-R_4,

-X-Y-R_4,

-X-Y-X-Y-R_4, and

-X-R_5;

R_2 is selected from the group consisting of

-R_4,

-X-R_4,

-X-Y-R_4, and

-X-R_5;

X is selected from the group consisting of alkylene, alkenylene, alkynylene, arylene, heteroarylene, and heterocyclylene wherein the alkylene, alkenylene, and alkynylene groups can be optionally interrupted or terminated with arylene, heteroarylene, or heterocyclylene, and optionally interrupted by one or more -O- groups;

Y is selected from the group consisting of

-$S(O)_{0-2}$-,

-$S(O)_2$-$N(R_8)$-,

-$C(R_6)$-,

-$C(R_6)$-O-,

-O-$C(R_6)$-,

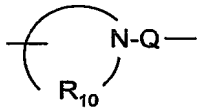
-O-C(O)-O-,

-$N(R_8)$-Q-,

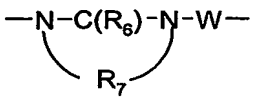
-$C(R_6)$-$N(R_8)$-,

-O-$C(R_6)$-$N(R_8)$-,

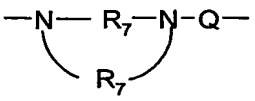
-$C(R_6)$-$N(OR_9)$-,



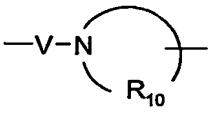
,



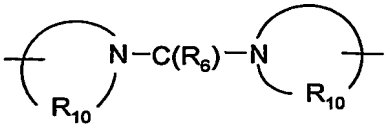
,



,



, and

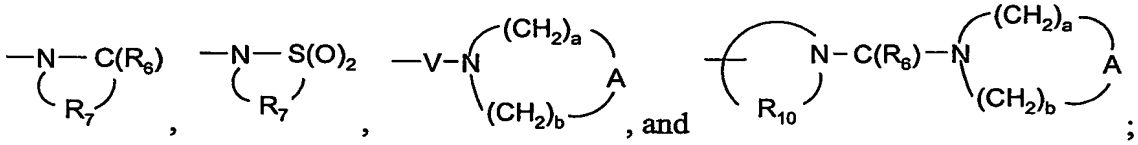


;

R_4 is selected from the group consisting of hydrogen, alkyl, alkenyl, alkynyl, aryl, arylalkylenyl, aryloxyalkylenyl, alkylarylenyl, heteroaryl, heteroarylalkylenyl,

heteroaryloxyalkylenyl, alkylheteroarylenyl, and heterocyclyl wherein the alkyl, alkenyl, alkynyl, aryl, arylalkylenyl, aryloxyalkylenyl, alkylarylenyl, heteroaryl, heteroarylalkylenyl, heteroaryloxyalkylenyl, alkylheteroarylenyl, and heterocyclyl groups can be unsubstituted or substituted by one or more substituents independently selected from the group consisting of alkyl, alkoxy, hydroxyalkyl, haloalkyl, haloalkoxy, halogen, nitro, hydroxy, mercapto, cyano, aryl, aryloxy, arylalkyleneoxy, heteroaryl, heteroaryloxy, heteroarylalkyleneoxy, heterocyclyl, amino, alkylamino, dialkylamino, (dialkylamino)alkyleneoxy, and in the case of alkyl, alkenyl, alkynyl, and heterocyclyl, oxo;

R_5 is selected from the group consisting of



;

R_6 is selected from the group consisting of =O and =S;

R_7 is C_{2-7} alkylene;

R_8 is selected from the group consisting of hydrogen, alkyl, alkoxyalkylenyl, and arylalkylenyl;

R_9 is selected from the group consisting of hydrogen and alkyl;

R_{10} is C_{3-8} alkylene;

A is selected from the group consisting of -O-, -C(O)-, $-S(O)_{0-2}-$, and $-N(R_4)-$;

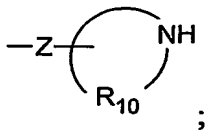
Q is selected from the group consisting of a bond, $-C(R_6)-$, $-C(R_6)-C(R_6)-$, $-S(O)_2-$, $-C(R_6)-N(R_8)-W-$, $-S(O)_2-N(R_8)-$, $-C(R_6)-O-$, and $-C(R_6)-N(OR_9)-$;

V is selected from the group consisting of $-C(R_6)-$, $-O-C(R_6)-$, $-N(R_8)-C(R_6)-$, and $-S(O)_2-$;

W is selected from the group consisting of a bond, -C(O)-, and $-S(O)_2-$; and

a and b are independently integers from 1 to 6 with the proviso that a + b is ≤ 7;

with the proviso that Z can also be a bond when R_{3-6} is



;

or a pharmaceutically acceptable salt thereof.

76. The compound or salt of any one of claims 1 through 75 wherein the compound or salt induces the biosynthesis of one or more cytokines.

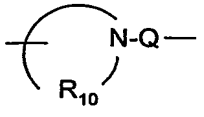
77. The compound or salt of any one of claims 1 through 75 wherein the compound or salt inhibits the biosynthesis of TNF-α.

78. The compound or salt of any one of claims 1 through 77 wherein n is 0.

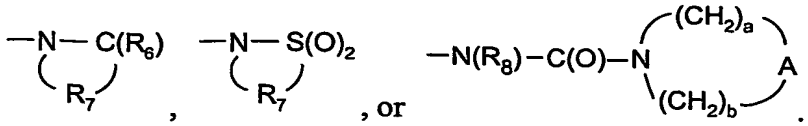
79. The compound or salt of any one of claims 1 through 4, 9, and 10 wherein Het or Het' is selected from the group consisting of tetrahydropyranyl, tetrahydrofuranyl, 1,3-dioxolanyl, pyrrolidinyl, piperidinyl, morpholinyl, thiomorpholinyl, thiazolidinyl, aziridinyl, azepanyl, diazepanyl, dihydroisoquinolin-(1*H*)-yl, octahydroisoquinolin-(1*H*)-yl, dihydroquinolin-(2*H*)-yl, octahydroquinolin-(2*H*)-yl, dihydro-1*H*-imidazolyl, and piperazinyl.

80. The compound or salt of any one of claims 1 through 4, 9, and 10 wherein Het is substituted by one or more substituents selected from the group consisting of alkyl, hydroxyl, hydroxyalkyl, hydroxyalkyleneoxyalkylenyl, diakylamino, and heterocyclyl; Y is selected from the group consisting of -C(O)-, -C(O)-O-, -C(O)-N(H)-, and -N(H)-C(O)-; and R_4 is selected from the group consisting of hydrogen and alkyl.

81. The compound or salt of any one of claims 4 through 80 wherein R_1 is selected from the group consisting of alkyl, arylalkylenyl, aryloxyalkylenyl, hydroxyalkyl, dihydroxyalkyl, alkylsulfonylalkylenyl, -X-Y-R_4, -X-R_5, and heterocyclylalkylenyl, wherein the heterocyclyl of the heterocyclylalkylenyl group is optionally substituted by one or more alkyl groups; wherein X is alkylene; Y is -N(R_8)-C(O)-, -N(R_8)-S(O)$_2$-, -N(R_8)-C(O)-N(R_8)-, or



; R_4 is alkyl, aryl, or heteroaryl; and R_5 is



82. The compound or salt of claim 81 wherein R_1 is selected from the group consisting of 2-hydroxy-2-methylpropyl, 2-methylpropyl, propyl, ethyl, methyl, 2,3-dihydroxypropyl, 2-phenoxyethyl, 4-[(methylsulfonyl)amino]butyl, 2-methyl-2-[(methylsulfonyl)amino]propyl, 2-(acetylamino)-2-methylpropyl, 2-{[(isopropylamino)carbonyl]amino}-2-methylpropyl, 4-{[(isopropylamino)carbonyl]amino}butyl, 4-(1,1-dioxidoisothiazolidin-2-yl)butyl, tetrahydro-2*H*-pyran-4-ylmethyl, and (2,2-dimethyl-1,3-dioxolan-4-yl)methyl.

83. The compound or salt of any one of claims 4 through 82 wherein R_2 is selected from the group consisting of hydrogen, alkyl, alkoxyalkylenyl, and hydroxyalkylenyl.

84. The compound or salt of claim 83 wherein R_2 is selected from the group consisting of hydrogen, methyl, ethyl, propyl, butyl, ethoxymethyl, methoxymethyl, 2-methoxyethyl, hydroxymethyl, and 2-hydroxyethyl.

85. The compound or salt of any one of claims 1 through 9, 11 through 13, 15, 17, 19, 20, 22 through 24, 26 through 28, 30, 32, 34 through 37, 39, 40, 42, 44, 46, 48, 50 through 52, 54, 67 through 70, 72, and 73 through 84 wherein Z is alkylene.

86. A pharmaceutical composition comprising a therapeutically effective amount of a compound or salt of any one of claims 1 through 85 in combination with a pharmaceutically acceptable carrier.

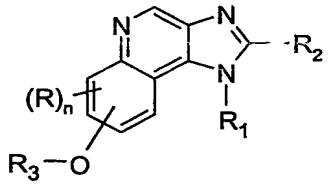
87. A method of inducing cytokine biosynthesis in an animal comprising administering an effective amount of a compound or salt of claim 76 to the animal.

88. A method of inhibiting the biosynthesis of TNF-α in an animal comprising administering an effective amount of a compound or salt of claim 77 to the animal.

89. A method of treating a viral disease in an animal comprising administering a therapeutically effective amount of a compound or salt of claim 76 to the animal.

90. A method of treating a neoplastic disease in an animal comprising administering a therapeutically effective amount of a compound or salt of claim 76 to the animal.

91. A compound of the formula (IX):



IX

wherein:

R_3 is selected from the group consisting of

-Z-Y-R_4,

-Z-Y-X-Y-R_4,

-Z-R_5,

-Z-Het,

-Z-Het'-R_4, and

-Z-Het'-Y-R_4;

Z is selected from the group consisting of alkylene, alkenylene, and alkynylene, wherein alkylene, alkenylene, and alkynylene can be optionally interrupted with one or more-O- groups;

R is selected from the group consisting of alkyl, alkoxy, hydroxy, halogen, and trifluoromethyl;

n is 0 or 1;

R_1 is selected from the group consisting of

-R_4,

-X-R_4,

-X-Y-R_4,

-X-Y-X-Y-R_4, and

-X-R_5;

R_2 is selected from the group consisting of

-R_4,

-X-R_4,

-X-Y-R_4, and

-X-R_5;

X is selected from the group consisting of alkylene, alkenylene, alkynylene, arylene, heteroarylene, and heterocyclylene wherein the alkylene, alkenylene, and alkynylene groups can be optionally interrupted or terminated with arylene, heteroarylene, or heterocyclylene, and optionally interrupted by one or more -O- groups;

Y is selected from the group consisting of

-$S(O)_{0-2}$-,

-$S(O)_2$-$N(R_8)$-,

-$C(R_6)$-,

-$C(R_6)$-O-,

-O-$C(R_6)$-,

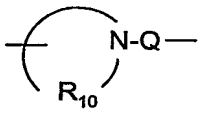
-O-C(O)-O-,

-$N(R_8)$-Q-,

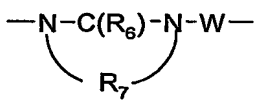
-$C(R_6)$-$N(R_8)$-,

-O-$C(R_6)$-$N(R_8)$-,

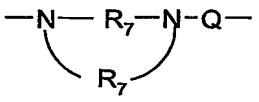
-$C(R_6)$-$N(OR_9)$-,



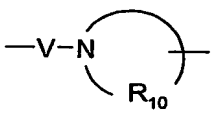
,



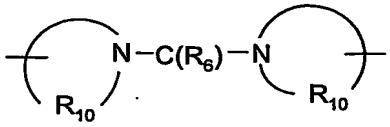
,



,



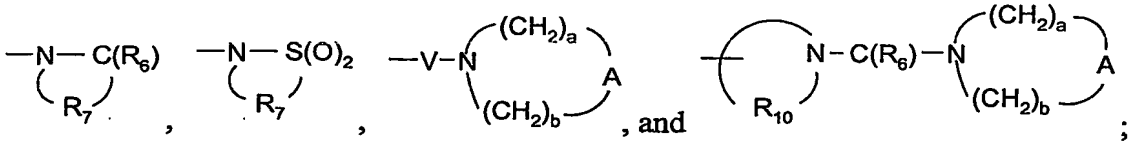
, and



;

R_4 is selected from the group consisting of hydrogen, alkyl, alkenyl, alkynyl, aryl, arylalkylenyl, aryloxyalkylenyl, alkylarylenyl, heteroaryl, heteroarylalkylenyl, heteroaryloxyalkylenyl, alkylheteroarylenyl, and heterocyclyl wherein the alkyl, alkenyl, alkynyl, aryl, arylalkylenyl, aryloxyalkylenyl, alkylarylenyl, heteroaryl, heteroarylalkylenyl, heteroaryloxyalkylenyl, alkylheteroarylenyl, and heterocyclyl groups can be unsubstituted or substituted by one or more substituents independently selected from the group consisting of alkyl, alkoxy, hydroxyalkyl, haloalkyl, haloalkoxy, halogen, nitro, hydroxy, mercapto, cyano, aryl, aryloxy, arylalkyleneoxy, heteroaryl, heteroaryloxy, heteroarylalkyleneoxy, heterocyclyl, amino, alkylamino, dialkylamino, (dialkylamino)alkyleneoxy, and in the case of alkyl, alkenyl, alkynyl, and heterocyclyl, oxo;

R_5 is selected from the group consisting of



;

R_6 is selected from the group consisting of =O and =S;

R_7 is C_{2-7} alkylene;

R_8 is selected from the group consisting of hydrogen, alkyl, alkoxyalkylenyl, and arylalkylenyl;

R_9 is selected from the group consisting of hydrogen and alkyl;

R_{10} is C_{3-8} alkylene;

A is selected from the group consisting of -O-, -C(O)-, -$S(O)_{0-2}$-, and -$N(R_4)$-;

Het is heterocyclyl which can be unsubstituted or substituted by one or more substituents independently selected from the group consisting of alkyl, alkoxy, haloalkyl, haloalkoxy, halogen, nitro, hydroxy, hydroxyalkyl, mercapto, cyano, aryloxy, arylalkyleneoxy, heteroaryloxy, heteroarylalkyleneoxy, heterocyclyl, hydroxyalkyleneoxyalkylenyl, amino, alkylamino, dialkylamino, (dialkylamino)alkyleneoxy, and oxo;

Het' is heterocyclylene which can be unsubstituted or substituted by one or more substituents independently selected from the group consisting of alkyl, alkoxy, haloalkyl, haloalkoxy, halogen, nitro, hydroxy, hydroxyalkyl, mercapto, cyano, aryloxy, arylalkyleneoxy, heteroaryloxy, heteroarylalkyleneoxy, amino, alkylamino, dialkylamino, (dialkylamino)alkyleneoxy, and oxo;

Q is selected from the group consisting of a bond, -$C(R_6)$-, -$C(R_6)$-$C(R_6)$-, -$S(O)_2$-, -$C(R_6)$-$N(R_8)$-W-, -$S(O)_2$-$N(R_8)$-, -$C(R_6)$-O-, and -$C(R_6)$-$N(OR_9)$-;

V is selected from the group consisting of -$C(R_6)$-, -O-$C(R_6)$-, -$N(R_8)$-$C(R_6)$-, and -$S(O)_2$-;

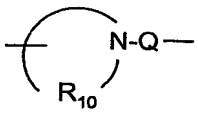
W is selected from the group consisting of a bond, -C(O)-, and –$S(O)_2$-; and

a and b are independently integers from 1 to 6 with the proviso that a + b is ≤ 7;

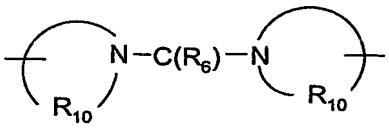
with the proviso that Z can also be a bond when:

R_3 is -Z-Het, -Z-Het'-R_4, or -Z-Het'-Y-R_4; or

R_3 is -Z-Y-R_4 or -Z-Y-X-Y-R_4, and Y is selected from -$S(O)_{0-2}$-, -$S(O)_2$-$N(R_8)$-, -$C(R_6)$-, -$C(R_6)$-O-, -$C(R_6)$-$N(R_8)$-,

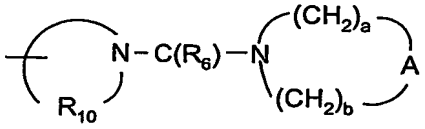


, and



; or

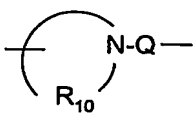
R_3 is -Z-R_5 and R_5 is



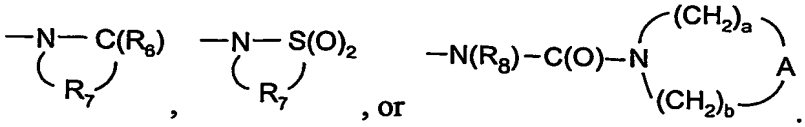
;

or a pharmaceutically acceptable salt thereof.

92. The compound or salt of claim 91 wherein R_1 is selected from the group consisting of alkyl, arylalkylenyl, aryloxyalkylenyl, hydroxyalkyl, dihydroxyalkyl, alkylsulfonylalkylenyl, -X-Y-R_4, -X-R_5, and heterocyclylalkylenyl, wherein the heterocyclyl of the heterocyclylalkylenyl group is optionally substituted by one or more alkyl groups; wherein X is alkylene; Y is -$N(R_8)$-C(O)-, -$N(R_8)$-$S(O)_2$-, -$N(R_8)$-C(O)-$N(R_8)$-, or



; R_4 is alkyl, aryl, or heteroaryl; and R_5 is



93. The compound or salt of claim 91 or claim 92 wherein R_2 is selected from the group consisting of hydrogen, alkyl, alkoxyalkylenyl, and hydroxyalkylenyl.